

# **San Juan County**

http://www.co.san-juan.wa.us/

S		timates ere Noted)	Other San Juan County Facts				
Population:		6,041,700	Percent in Households where English is Spoken Less than "Very Well" (Population Age 5 and Above, 2000):	Less than 3.0%			
n:		14,600	Military Bases within County:	None			
n Density		60.57	Universities/Community Colleges:	None			
iseholds:		10,314	Land area of County (square miles):	1,678.9			
Personal Income ed to 2000	\$2	22,000 and above	Native American Tribes	NONE			
households with poverty level,		10	Federally Recognized (Yes/No):				
•		nt	Size of Tribal Land (Acres):				
Board	of County Con	nmissioners					
pers	3 4 years		Reservation or Land Trust Population, 2000:				
Com	Tuesdays, 9:00 missioners' hea	ring room,	Treaty or Reservation Instrument:				
Popula	tions and L	and Areas fo	or San Juan County Municipaliti	es, 2002			
• `		12,555 2,045	ll				
Population (est. 2002)	2002 Land Area (sq. mi.)	2002 Est. Density (pop/sq. mi.)		on, 2002 = 14,600			
2,045	1.897	1,078.01	2,045	Unincorporated: 12,555			
	Population: n: n Density useholds: Personal Income ed to 2000 households with poverty level,  Juan County Legislative A  Board Popula opulation (est. 2002  Population (est. 2002)	Population:  n: n Density  seholds: Personal Income ed to 2000  households with poverty level,  Juan County Government Legislative Authority  Board of County Corpers  3 4 years  Tuesdays, 9:0 Commissioners' hear courthous  Populations and Legislation (est. 2002)  ulation (est. 2002)  Population (est. 2002)  Population (est. 2002)  2002 Land Area (sq. mi.)	Population: 6,041,700  n: 14,600 n Density 60.57  aseholds: 10,314  Personal Income ad to 2000 \$22,000 and above  households with poverty level, 10  Juan County Government Legislative Authority  Board of County Commissioners  are 3  4 years  Tuesdays, 9:00 am Commissioners' hearing room, courthouse  Populations and Land Areas for opulation (est. 2002) 12,555  alation (est. 2002) 2,045  Population (est. 2002) 2,045  Population (est. 2002) 2002 Land Area (sq. Density (pop/sq. mi.)	Population:    Care   C			

## San Juan County Solid Waste Contacts, 2003:

Departments:	San Juan County Public Works	San Juan County Public Works	San Juan County Public Works	San Juan County Public Works	San Juan County Public Works	San Juan County Health District
Name:	Jon Shannon	Jon Shannon	Helen Venada	Reni McCutcheon	Russell E. Harvey	Mark Tompkins
Title:	Director	Manager (position not yet filled 09-2003)	MRW Contact	Recycling Contact	Litter Contact	Environmental Health Manager
E-mail Address:	jons@rockisland.com	jons@rockisland.com	helenv@co.san- juan.wa.us	renim@rockisland.com	rush@rockisland.com	markt@co.san- juan.wa.us
Web Site:	http://www.co.san- juan.wa.us/publicworks /index.html	http://www.co.san- juan.wa.us/publicworks /solid-waste/solid- waste.html	http://www.co.san- juan.wa.us/publicworks /solid-waste/haz- waste.html	Recycling specific web site not found.	Litter specific web site not found.	http://www.co.san- juan.wa.us/health/ehs.ht ml
Mailing Address:	915 Spring Street, PO Box 729 Friday Harbor, WA 98250	915 Spring Street, PO Box 729 Friday Harbor, WA 98250	915 Spring Street, PO Box 729 Friday Harbor, WA 98250	915 Spring Street, PO Box 729 Friday Harbor, WA 98250	PO Box 729 Friday Harbor, WA 98250	P.O. 607, 145 Rhone St. Friday Harbor, WA 98250
Phone Number:	(360) 378-2114	(360) 378-2114	(360) 378-2114	(360) 378-2114	(360) 378-2114	(360) 378-4474
Fax Number	(360) 378-6405	(360) 378-6405	(360) 378-6405	(360) 378-6405	(360) 378-6405	(360) 378-7036
TDD:						

San Juan County Solid Waste and Modera Risk Waste Planning Status, 2003	Coordinated Preven Grant Cycle: F			003
County Comprehensive Solid Waste Management Plan: Yes	Grant Fundable Activity	Recipient San Juan Co Public Works	Recipient San Juan Co Health	Total
Current Status (Yes/No)	Hazardous Waste Planning and Evaluation	_	_	0
Year Approved: 1996	Household Hazardous Waste Implementation (of county plan)	_	_	0
Waste	Household Hazardous Waste Collection and Disposal	37,500	_	37,500
Reduction/Recycling 50% by 1995 Goal:	Moderate Risk Waste – Capital (costs)	_	_	0
Comments: Currently updating Comprehensive Solid Waste	Small Quantity Generator (technical assistance and education)	_	_	0
Management Plan	Solid Waste Planning	_	_	0
Moderate Risk Waste Plan:	Solid Waste Enforcement	_	60,000	60,000
Year Current MRW Plan 1991 Approved:	Ground Water Monitoring Wells	_	_	0
MRW Plan Combined with County's Comprehensive Solid No	Waste Reduction and Recycling Activities	_	_	0
Waste Management Plan? (Yes/No)  Comments:	Waste Reduction and Recycling Capital (costs)	125,740	_	125,740
NONE	Biomedical Waste	_	_	0
	Total	163,240	60,000	223,240

### Pilot Grants 2002 – 2003 Cycle: Funding by Task in Dollars

RECIPIENT	Electronics	Waste Reduction Recycling	Organics	Mercury	Waste Characterization Study	Sustainability	Portion of \$2Million Pilot Funding
San Juan Co		435,985					435,985
						Total	435,985

#### San Juan County Ordinances and Resolutions Related to Solid Waste

From San Juan County Draft Solid Waste Management Plan:

Ordinance Number	General Ordinance Description
Friday Harbor Ordinance 1092	Regulates collection and disposal of refuse within the Town, repeals ordinances 675, 689, 693. Passes 8-98.
17-1996	Adopts 1996 CSWMP and amends county code 8.12 to be consistent with CSWMP
19-1996	Established solid waste disposal district and structure to support it
5 2001	Updates to code (8.14) adds junk vehicle definition, clarifies duties of HD
Resolution Number	General Resolution Description
25-1996	Board of County Commissioners adopt 1996 San Juan Comprehensive Solid Waste Management Plan for San Juan County
40-2003	Selecting the Sundstrom site for purchase for an essential public facility for solid waste collection, transfer and recycling on San Juan Island.

Note:

## Solid Waste Infrastructure in San Juan County

Permitted Solid Waste Handling Facilities in San Juan County – March 2004									
Facility Type	Name	Public/ Private	Owner						
Drop Box Facility	Lopez Drop Box	Public	San Juan County Solid Waste						
Drop Box Facility	Friday Harbor Drop Box	Public	San Juan County Solid Waste						
Surface Impoundment	Lopez Surface Impoundment	Public	San Juan County Solid Waste						
Surface Impoundment	Orcas Septage Lagoon	Public	San Juan County Solid Waste						
Moderate Risk Waste Fixed Facility	Friday Harbor MRW	Public							
Note:	·	•	<u>.</u>						

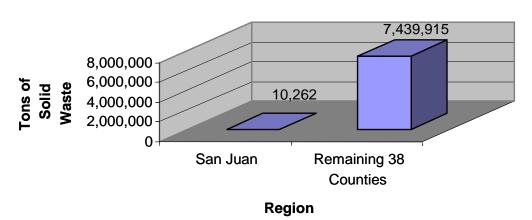
Disposal Sit	Disposal Site Summary for San Juan County (reported in tons) – 2001													
Facility	County	MSW	Demolition	Industrial	Inert	Commercial	Wood	Sludge	Asbestos	PCS	Tires	Medical	Other	TOTAL
Roosevelt Regional Landfill- MSW	Klickitat		_	_	_	_	_	_	_	_	_	_		0
Columbia Ridge, OR	Oregon	10,262	_			_	_		_			_		10,262
County	Total	10,262	0	0	0	0	0	0	0	0	0	0	0	10,262

# 2001 Disposal Site Capacity Summary for Solid Waste Facilities Accepting Waste Generated in San Juan County, Including All Landfills and Energy Recovery

DISPOSAL SITE	Disposal Site Location		Remaining Permitted Capacity - Years	Anticipated Closure Date	Facility Reported Tip Fees	
Roosevelt Regional Landfill-MSW	Klickitat	133,779,000	71	2073	\$19.75	
Columbia Ridge, OR	Oregon	Unknown	Unknown	Unknown	Unknown	

## Tons of Solid Waste Disposed by Specific Regions 2001: Comparison of San Juan County to Sum of Remaining 38 Washington State Counties

2001 Washington State Solid Waste Disposal Total = 7,450,177 tons (Source: Washington State Department of Ecology)



Tons of Material Composted in San Juan County (by permitted facility) – 2001										
Compost Facility Name	Yard waste	Other wood waste	Sawdust	Biosolids	Vegetative food waste	Manure	Post consumer food waste	Mixed municipal solid waste	Other	Total
NONE										

Notes:		

# Washington State Utilities and Transportation Commission (WUTC) Permitted Solid Waste Carriers in San Juan County (November 4, 2002)

Registered Trade Name of Solid Waste Company	Service Area	Certificate# (G permit)	Tariff#	Collect and Transport: MSW	Collect and Transport: Recyclables	Collect and Transport: Yard Waste	Residential Disposal Rates for Weekly Garbage Service by Container (Monthly charge in dollars)	Recycle Service Charge (When Taken With MSW Service)	Commercial Disposal Rates for Company Owned Containers (per Pickup, Non-Compacted Material)	Referenced Service Level Ordinances
San Juan Sanitation Co.	Major portion of San Juan County	G-144	6	Y	N	N	20 gallon mini-can \$15.57 32 gallon can/unit \$20.24 Multi can/unit service up to 2.	Not Applicable	1 yard dumpster \$20.96 1.5 yard dumpster \$28.72 2 yard dumpster:\$36.22.	None Indicated

Notes: This company will also pick up "infrequent" 32 gallon can. This service is defined as pickup using pre-purchased can tags (\$5.32 per pickup plus taxes) or "check on can" (\$6.32 per pickup plus taxes).

Service: None

#### **General Notes**

- The above solid waste carrier information is portrayed for WUTC regulated solid waste carriers only.
- Categories of solid waste customers defined by the WUTC include: single family residential, multi-family residential and commercial. Multi-family rates are not depicted here.
- Categories of commercial solid waste collection service as defined by the WUTC include: "Container Service Non-Compacted Company-owned container"; "Container Service Compacted Company-owned container"; "Container Service Compacted Company-owned container"; "Container Service Company-owned drop box"; "Drop Box Service Non-Compacted Customer-owned drop box"; "Drop Box Service Company-owned drop box"; "Drop Box Service Company-owned drop box".
  The only Commercial rates provided here are: "Container Service Non-Compacted Company-owned container".
- According to statute, Washington State cities have the authority to contract for solid waste hauling services and associated billing, or to provide their own municipal collection service. Counties have not been granted this option by the legislature. However, statute does direct the WUTC to require regulated solid waste collection companies to comply with the service levels set in the local solid waste management plan. The WUTC defines the service area and monetary collection rates for private firms that service all county residents, as well as for private firms that service those municipalities which do not provide garbage collection service or contract for such service.
- Of the 280 cities in Washington, 187 take advantage of their option to contract for service or provide their own service. Consequently, the WUTC regulates the solid waste haulers that service approximately 49% of the state's population. (This includes 40% of the state's population that resides in unincorporated areas, and 9% of the state's population that resides in incorporated areas.)
- Currently, there appears to be no complete tabulation of solid waste collection rates charged to residents of Washington State municipalities is available, and thus there is incomplete knowledge of the direct economic impacts of solid waste disposal on approximately 51% of the state's population.
- A Certificate (or "G-permit) means the certificate of public convenience and necessity issued by the Washington Utilities and Transportation Commission under the provisions of chapter 81.77 RCW for the operation of solid waste collection companies.
- A tariff names rates for the collection, transportation, and disposal of solid waste, and if noted, recycling and yard waste (a document outlining rates, terms and conditions for providing service.) While the G-permit provides an overall legal description of the geographical area in which a carrier is allowed to operate, a tariff defines rates for services and service areas within the geographical area defined in the G-permit. Further, tariffs define the rates a permitted solid waste carrier charges to its residential, multifamily and commercial customers

#### Major Public Works and Jurisdictional Health Department Solid Waste Activities in San Juan County, 2003 **Activity Category and Local** X =**Clarifying Comments as Activity Category and Local** X =**Clarifying Comments as** Needed Needed **Program** Present **Program** Present Composting Moderate Risk Waste (MRW) used oil. Larger facility under Home Composting MRW Fixed Facility construction Master Composter MRW Mobile or Satellite **Programs** Native Planting/Xeriscaping X Mulching Mower/Grasscycling MRW Collection Events Master Gardener Toxics Reduction Education and X brochures, online, newsletter Outreach Curbside Yard Waste Collection **Fixed Wood Chipping Operations** On-site Business Small Quantity Mobile Wood Chipping Generator SQG/MRW Audits Operations Conditionally Exempt Small Agricultural Waste Management Quantity Generator (CESQG) and Technical Assistance collection Persistent Bioaccumulative Toxins (PBT) Food Composting Programs Pesticide Reduction Education for Rate Structures Encourage Yard Waste Diversion the Public Pesticide Reduction Education for **Built Environment Business Building Industry Education** Mercury Reduction Education for Program the Public Green Building Codes and or Mercury Reduction Education for Business Policy **Building Material** under construction on San Juan X **Partnerships** Reuse/Exchange Program Island **Demonstration Buildings** Product Stewardship - Electronics Green Building Certification Product Stewardship - Mercury **Programs** Green Built Recognition Product Stewardship - Pesticides (Construction Works) Product Stewardship - Solid Residential Waste Reduction and Recycling (WRR) Waste Please List: Public Education and Program X Promotion Regional Х Curbside recycling Town of Friday Harbor only Programs - All Categories X Drop box recycling School Recycling Program **Solid Waste Enforcement** Special Collection Events Rate Structures that Encourage Illegal Dumping Prosecution Recycling Trash to Treasure, the Exchange Waste Exchange Program Illegal Dumping Prevention program Waste Reduction Program Mandatory Collection Service Commercial Waste Reduction & Recycling **Enforcing Solid Waste Codes** X Commercial Recycling Education X Permit Reviews Program Ensuring Compliance at Χ Curbside Recycling Permitted Solid Waste Facilities Rate Structure that Encourages **Ensuring Compliance at** Permitted Land Application Sites Recycling Waste Exchange Program On-site Commercial Waste Additional Comments: Audits

#### Diversion, Recycling, Moderate Risk Waste and Waste Disposal

#### 2001 Materials Collected for Recycling & Diversion in San Juan County as reported to the Washington State Department of Ecology by **43** Collectors (Material Sources = Commercial and Residential)

#### Sites in San Juan County Accepting Specific Recyclable Materials in 2003 (Commercial &/or Residential)

material; therefore, along the line for a given

heading will result in a sum greater than the

figure under "Total Sites".

county, adding the figures below each material

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	eported Materials Collected for Recycling in San Juan County	Re	eported Materials Diverted From Disposal in San Juan County	Material	# in County	# in State	
X	Aluminum Cans Aseptic Packaging	X	Antifreeze Asphalt and Concrete	Appliances	3	176	
X	Computers Container Glass		Asphalt Roofing Shingles Bricks	Batteries	3	372	
X X	Corrugated Paper Ferrous Metals		Composting Furnish Computer (Refurbished)	CDL Construction	_	159	
	Fluorescent Light Bulbs Food Waste (post-consumer)		Construction & Demolition Debris Food Processing Waste	Electronics	_	48	
	Ground Rubber (from retreads) Gypsum		Household Batteries Incinerator Ash	Glass	3	329	
X X	HDPE Plastics High Grade		Industrial Batteries Land Clearing Debris	HHW Household Hazardous Waste	3	63	
X	LDPE Plastics Mixed Waste Paper		Oil Filters Paint	Metals	3	466	
X X	Newspaper Non-Ferrous Metals		Rail Road Ties Rebound Carpet Pad	Used oil	3	508	
	Other Recyclable Plastics Other Rubber Materials (Shoes)		Reuse-Clothing & Household Items Reuse - Construction & Demolition	Paper	3	461	
X	PET Bottles Photographic Film		Reuse – Miscellaneous Items Sweepings and Grit	Plastic	4	394	
X	Rendering Textiles (rags, clothing, etc.)		Tires (for Energy Recovery Tires (Reused/Resold)	Other/misc.	3	133	
X X Y	Tin Cans Tires Used Oil Vehicle Batteries		Used Oil for Energy Recovery	Note: In this rep location to which I can take a material site often accepts 1	nouseholds and/of for recycling.	or businesses An individual	

2001 Participant levels and amounts of HHW and total MRW collected by San Juan County, as reported to the Washington State Department of Ecology

<b>3</b> / <b>1</b>	0	4	
	County Totals	Washington State	County Percentage
County	San Juan	Totals	of State Total
County Population (from http://www.census.gov)	14,400	5,970,247	0.24
Total HHW lbs (no Used Oil)	19,338	15,638,009	0.12
Used Oil lbs. (see note 1)	43,364	11,280,112	0.38
CESQG lbs.	4,844	978,732	0.49
MRW lbs.	67,546	27,896,853	0.24
Number of County Housing Units (see note 2)	10,099	2,511,054	0.40
MRW lbs./housing unit	6.69		
Total HHW Participants	150	148,697	0.10
% Participation	0.01		
HHW Cost/Participant	\$135.75		

Note 1: "US pounds - used oil collected at specific used oil sites"

Note 2: "H.U. Housing Units equals number of households taken from Office of Financial Management, 2001 Data Book"

Note 3: "NR - Not Reported"

White Goods

Wood Waste

Yard Waste

Note 4: "NA - Not applicable because data not reported"

#### 2001 Specific Waste Types Collected by San Juan County: HHW & CESQG (Pounds) **Pounds Five Greatest Household Hazardous Waste (HHW) Materials Pounds** Waste Type HHW **CESOG Collected by San Juan County, 2001 (Pounds)** Collected Collected (Source: Washington State Department of Ecology) Acids 116 Acids, aerosols 12,000 Antifreeze 10,928 10,000 Bases 115 Bases, aerosols 8,000 Pounds CFC/ Freon 6,000 CFC/ Freon filters 4,000 2,351 2,429 **Chlorinated Solvents** 1,365 694 2,000 Batt:N,L,NIMH 0 Dry Cell Batteries Pesticide/Poison Flammable Flammable Oil Contaminated Oil Based Paint Flammable Solids 140 Liquids Poison Liq Liquids Flammable Liquids 2,351 **HHW Material** Flammable Liquids, 395 aerosols Flammable Liquids 1,365 Poison Flammable Liq. Pois.(aerosols) Flammable Gas Flammable Gas Poison Flammable Gas Pois.(aerosols) Latex Paint Lead Acid Batteries Oil Based Paint 10,928 Oil Contaminated 2,429 Oil Filters Five Greatest CESQG Materials Collected by San Oil Filters Crushed Juan County, 2001 (Pounds) Oil Non-Contaminated No graphic because no activity reported. Oil with Chlorides Oil with PCBs Other Dangerous Waste Organic Peroxides 15

106

694

684

19.338

Oxidizers

Reactives
Mercury
TOTALS

Personal Protect. Equip.
Pesticide/Poison Liq

Pesticide/Poison Sol

#### Washington State Litter Tax Funded Litter Program Activity in San Juan County, 2001 % of State Roads **Interstate** State **County Total Rank in State** total 0.57 38 **Center Line Miles** 272 272 78 78 0.07 39 Miles Driven (thousands) **Area (Square Miles)** 2.1 25 1.40 1999 2000 2001 **DOT Rating** 5.0 4.4 4.3 Number of **Illegal Dump** Recycle **Total Litter Program** Hours Miles **Litter Pounds** Acres **Dumps Pounds Pounds Pounds Ecology Youth Corps** 0 (EYC) **Community Litter Cleanup Program** 3.034 580 130 3 12,340 600 22,567 5.880 (CLCP) **Department of** 0 **Corrections (DOC) Department of Natural** 0 Resources (DNR) 130 3 12,340 22,567 Total 3,034 580 600 5,880

Note: DNR does not report recycling separately.

Com	munity Litter Cleanu Funding A	Litter Education Efforts, San Juan County, 2002			
Recipients	Task: Litter & Illegal Dumps	Task: Education	Task: Tools & Trucks	Total Contract Amount	Outreach at County fairs.
San Juan Co Solid Waste	55,000	_	_	55,000	

#### Litter Crew Organization, San Juan County, 2002

San Juan crews consist of juvenile and adult offenders. Summer program utilizes volunteers and summer youth groups. Crews coordinate with San Juan County's Road Department, the National Park Service, and the state Parks & Recreation Commission. County maintained (2000-2001) a "tool bank" for volunteer groups to use for litter pickup (signs, cones, litter pickers, litter disposal bags, vests, gloves, etc.)

2002 Biosolids Production and Land Application Information in Dry Tons for San Juan County, (See footnotes)																	
ν	S	ed		Total Land Applied: by Specific Application Site Categories								cility	To"	cility	n" Dry		
Facility Name	Class of Biosolids	Compost Biosolids	Total Biosolids Produced	Total Land Applied	Agricultural Land	Range Land	Forest	Public Contact Site	Reclamation Site	Sold/Given Away	Lawn Garden	Landfilled	Incinerated	Transported to Another Facility	Name of "Transported T Facility	Received from Another Facility	Name of "Received From" Facility and Associated Dry Tons
Eastsound S&W Dist WWTP			9.32		_	_		_			_	7.61	_	1.71	Rosario Sewer System	_	
Fisherman Bay STP			2.5	_	_	_	_	_	_	_	_	_	_	2.5	Pumper	_	
Friday Harbor WWTP			59		_	_	1	_			_		_	59	South sound soils	_	
Orcas Village Sewer District STP				_	_	_	_	_	_	_	_	_	_	_		_	
Roche Harbor Resort STP			_	_	_	_	_	_	_		_	_	_			_	
Rosario Utilities WWTP			_	_	_	_	_	_	_	_	_	_	_	_		1.9	Eastsound Sewer District
COUNTY TOTAL			70.82	0	0	0	0	0	0	0	0	7.61	0	63.21		63.21	
STATE TOTAL			94972.14	79282.89	57415.12	4417.09	8349.74	174.72	1729.2	4292.72	2904.3	3646.08	14988.03	25840.11		79282.89	

- 1) Data used here are gathered from individual facilities and consolidated into a main database from which this spreadsheet is derived. Referral to the actual report forms is suggested in order to resolve questions or before drawing conclusions.
- 2) Facilities which show zero production are for year 2002 only. Production amounts can vary by large amounts from year to year depending on lagoon cleanout operations, etc.
- 3) For the categories related to TRANSPORT TO and RECEIVED FROM, tonnage sums are totaled and reported in parentheses if the sums are different from that reported by the facility. Reasons for discrepancies are varied and need to be investigated on an individual basis if needed.
- 4) The term "ctd." means that the data for the facility is continued in another column where extra lines were used so that additional data could be included.
- 5) WWTP = Waste Water Treatment Plant; STP = Sewage Treatment Plant; BS = Biosolids; LSP = Lime Stabilization Plant; POTW = Publicly Owned Treatment Works.

#### San Juan County Solid Waste Priorities and Needs for the Near Future:

PUBLIC WORKS (as reported to Ecology on client survey):

- 1) Funding
- 2) Funding and
- 3) Funding

#### JURISDICTIONAL HEALTH DEPARTMENT (as reported to Ecology on client survey):

- 1) Keeping things under control.
- 2) Closing Orcas CDL landfill.
- 3) Reducing outer island waste (waste from non-ferry-served islands).

## San Juan County's Projected Solid Waste Income and Spending, 1999 (as compiled by Jeff Kelly-Clarke, Director, Snohomish County Public Works)

#### **Spending** Operating Total Waste LF Waste Moderate Planning Adminis-Debt Other Capital To Fund Budget Handling\* Facilities/ Monitoring Reduction Risk Balance Spending tration Service Closure and Waste Recycling

\$197,000

\$155,000

\$0

\$750,000

\$0

\$1,967,000

\$60,000

\$1,221,000

\$15,000

\$2,717,000

Notes:

Income											
Total Revenue	Fees from Disposal	Other service fees	Dist./city fees	Grants	Interest	Fund Balance	Other				
\$2,717,000	\$1,817,000	\$0	\$0	\$550,000	\$0	\$0	\$350,000				

\$52,000

\$267,000

# Web Links for Additional County by County Information Description of Subject Matter Website Address State and County Census 2000 Profiles for Washington State http://www.census.gov/prod/cen2000/dp1/2kh53.pdf http://www.ofm.wa.gov/trends/index.htm Variety of County and City Data http://www.ofm.wa.gov/localdata/index.htm

<sup>\* &</sup>quot;Waste Handling" includes transfer operations